

## CLAIMS:

1. A lamp (3, 31, 42, 62, 81) which radiates visible light and infrared light, characterized in that a lamp bulb (4, 32, 44, 63, 84) comprises at least a first region (6, 33, 49, 71, 94) which is at least partly permeable to infrared light and at least partly impermeable to visible light, and at least a second region (9, 35, 51, 68, 101) which is wholly or partly permeable at least to visible light.  
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2. A lamp as claimed in claim 1, characterized in that the first region (6, 33, 49, 71, 94) has a filter coating (7, 34, 50, 67, 95).
- 10 3. A lamp as claimed in claim 2, characterized in that the filter coating (7) forms a semi-circular shell.
4. A lamp as claimed in claim 2, characterized in that the filter coating (34, 50) envelops the bulb (32, 42).  
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5. A lamp as claimed in claim 4, characterized in that the filter coating (50) envelops one (47) of two incandescent filaments (46, 47).
- 20 6. A lamp as claimed in claim 2, characterized in that the filter coating (67) is provided on a shield (66).
7. A lamp as claimed in claim 1, characterized in that means (36, 53) safeguarding a neutral color impression within a white region are arranged on the lamp bulb (32, 44).  
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8. A lamp as claimed in claim 1, characterized in that means (20) that reflect infrared light at least partly into the first region (6) are arranged in the second region (9).

9. A lamp as claimed in claim 1, characterized in that the lamp (3, 31, 42, 62, 81) is constructed as a halogen lamp (3, 31, 42, 62) or as a gas discharge lamp (81).

10. A lamp (3, 31, 42, 62, 81) radiating visible light, UV light, and infrared light, 5 characterized in that a lamp bulb (4, 32, 44, 63, 84) has at least a first region (6, 33, 49, 66) which is at least partly permeable to UV light and infrared light and at least partly impermeable to visible light, and at least a second region (9, 35, 51, 68, 101) which is wholly or partly permeable at least to visible light.

10 11. A screen (113) for a headlight (110), characterized in that the screen (113) has a region (115) which is at least partly permeable to UV light and infrared light and at least partly impermeable to visible light.

12. A headlight with a lamp as claimed in claim 1, or with a screen as claimed in 15 claim 11.